Title: PACKET COMMUNICATION METHOD AND PACKET COMMUNICATION APPARATUS

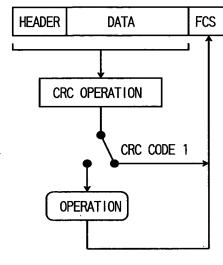
Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

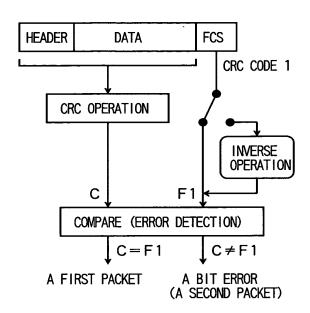
1/41

FIG. 1

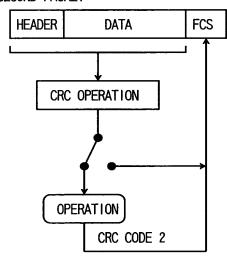


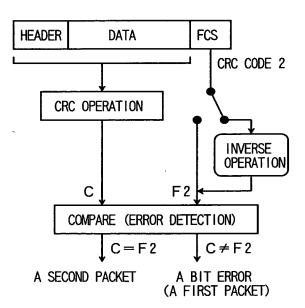
# (1) A FIRST PACKET





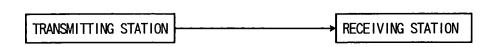
#### (2) A SECOND PACKET





2/41

FIG. 2



# HEADER DATA FCS CRC OPERATION OPERATION CRC OPERATION CRC OPERATION INVERSE OPERATION

F1

C

A SECOND PACKET A FIRST PACKET

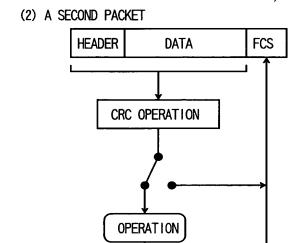
C = F2

COMPARE (ERROR DETECTION)

F2

 $C \neq F1$  $C \neq F2$ 

A BIT ERROR



CRC CODE 2

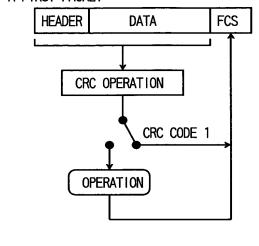
Atty. Ref.: 6268-001/NP

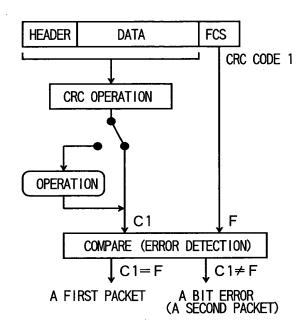
3/41

FIG. 3

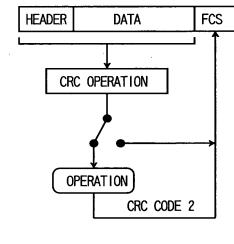


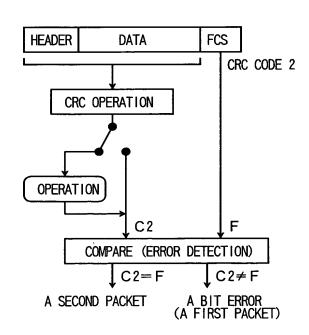
# (1) A FIRST PACKET





# (2) A SECOND PACKET





Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

4/41

FIG. 4

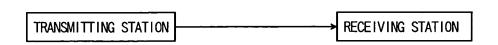


# (1) A FIRST PACKET HEADER DATA FCS CRC OPERATION CRC CODE 1 FCS **HEADER** DATA **OPERATION** CRC OPERATION OPERATION C1 C2 F COMPARE (ERROR DETECTION) (2) A SECOND PACKET C2=FC1≠F C2≠F HEADER DATA FCS A SECOND PACKET A FIRST PACKET A BIT ERROR CRC OPERATION **OPERATION** CRC CODE 2

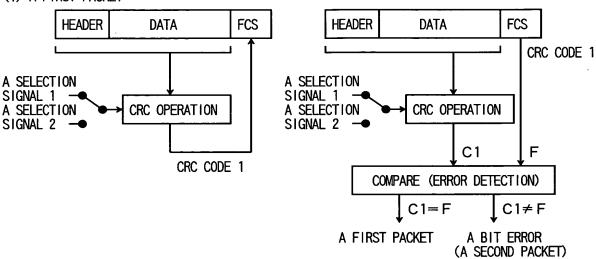
Atty. Ref.: 6268-001/NP

5/41

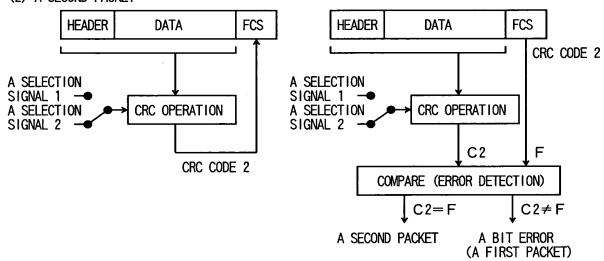
FIG. 5



# (1) A FIRST PACKET



#### (2) A SECOND PACKET

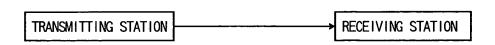


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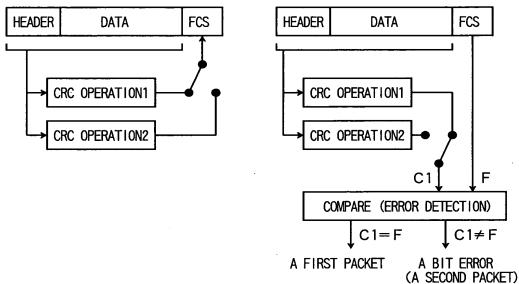
Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

6/41

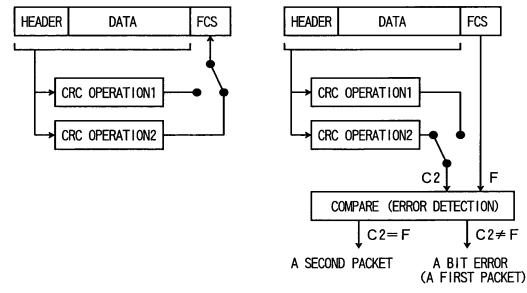
FIG. 6



# (1) A FIRST PACKET



# (2) A SECOND PACKET



Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

7/41

FIG. 7



# (1) A FIRST PACKET **HEADER** DATA **FCS** CRC OPERATION1 CRC OPERATION2 FCS **HEADER** DATA CRC OPERATION1 CRC OPERATION2 C2 C1 F COMPARE (ERROR DETECTION) (2) A SECOND PACKET C2=FC1=FC1≠F C2≠F **HEADER** FCS DATA A SECOND PACKET A FIRST PACKET A BIT ERROR CRC OPERATION1 CRC OPERATION2

Atty. Ref.: 6268-001/NP

8/41

FIG. 8

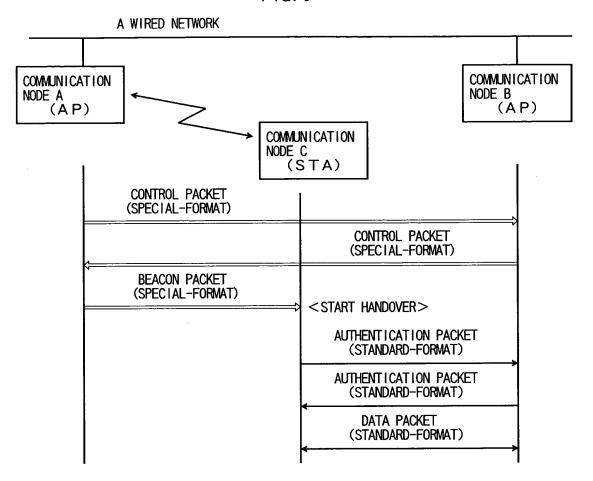


FIG. 9

#### CONTROL PACKET (1) **HEADER** TRAFFIC INFORMATION R-FCS BEACON PACKET HAVING CONTROL INFORMATION (2) **HEADER** ORDINARY CONT. ADDITIONAL CONT. (HANDOVER INSTRUCTION) R-FCSHEADER ADDITIONAL CONT. (TRAFFIC INFORMATION) **R-FCS** (3)ORDINARY CONT.

Atty. Ref.: 6268-001/NP

9/41

FIG. 10

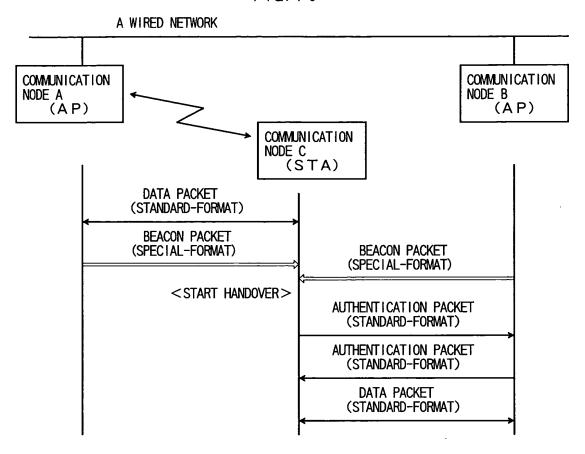


FIG. 11

HEADER ORDINARY	CONT. ADDITIONA	L CONT. (TRAFFIC	INFORMATION)	R-FCS
-----------------	-----------------	------------------	--------------	-------

Title: PACKET COMMUNICATION METHOD AND PACKET COMMUNICATION APPARATUS

Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

10/41

FIG. 12

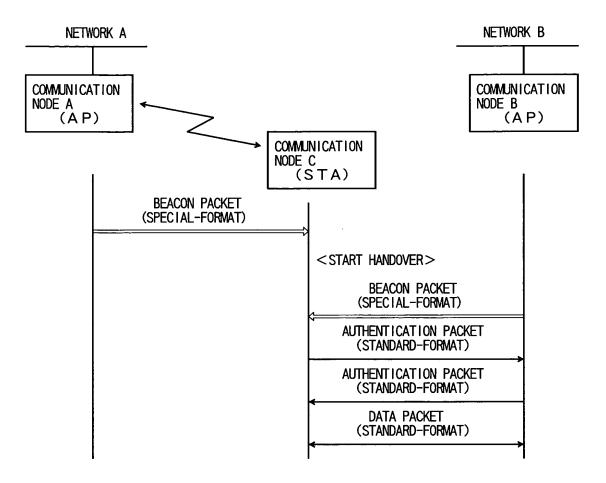


FIG. 13

HEADER	ORDINARY CONT.	ADDITIONAL CONT. (SETTING PARAMETERS)	R-FCS
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#### FIG. 14

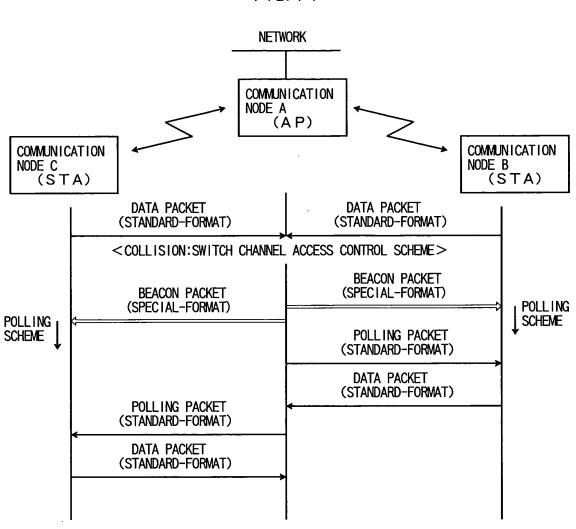


FIG. 15

HEADER	ORDINARY CONT.	ADDITIONAL CONT. (CHANNEL ACCESS SCHEME)	R-FCS
		<u> </u>	

12/41

FIG. 16

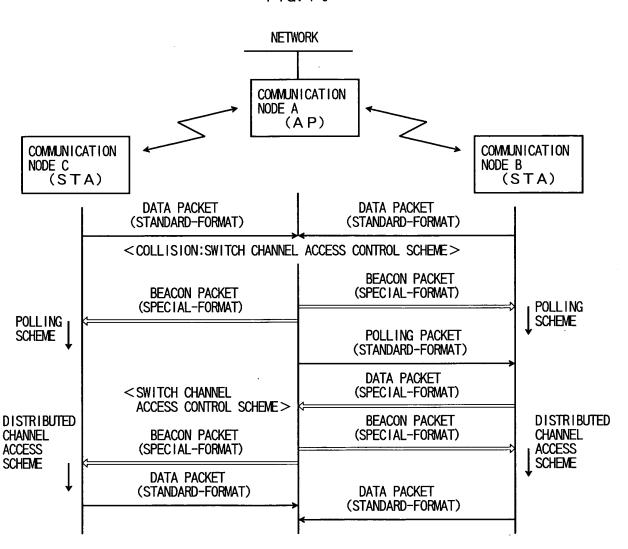


FIG. 17

(1)	HEADER	ORDINARY CONT.	ADDITIONAL CONT.	(CHANNEL ACCESS S	CHEME)	R-FCS
	DATA PACK	ET HAVING CONTROL	INFORMATION			
(2)	HEADER	NIMBER OF DATA F	RAMES / DATA SIZE	DATA	R-F	2.5

13/41

FIG. 18

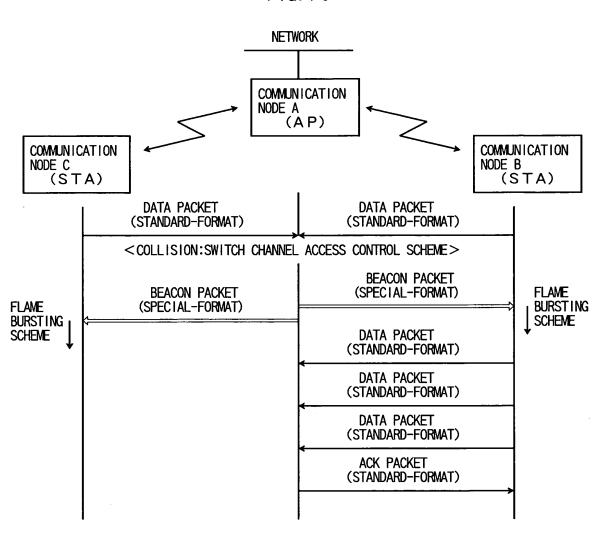


FIG. 19

HEADER	ORDINARY CONT.	ADDITIONAL CONT. (CHANNEL ACCESS SCHEME)	R-FCS
		· · · · · · · · · · · · · · · · · · ·	



FIG. 20

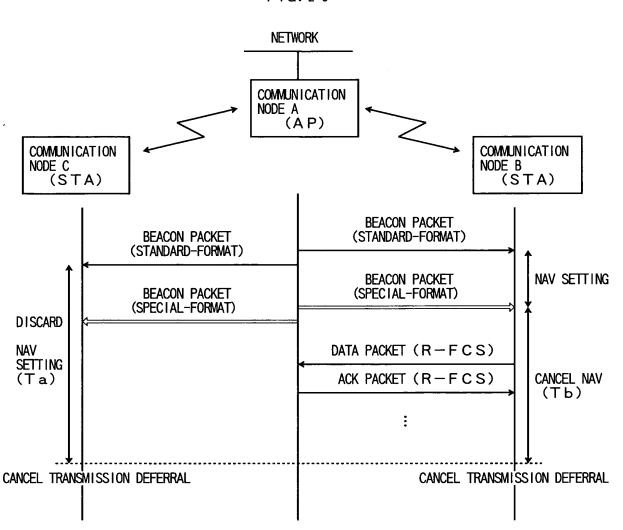


FIG. 21

# STANDARD-FORMAT BEACON PACKET

- (1) HEADER (NAV=Ta) ORDINARY CONTROL INFORMATION FCS

  SPECIAL-FORMAT BEACON PACKET
- (2) | HEADER (NAV=0) | NAV CANCELLATION TIME=Tb | R-FCS

Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

15/41

FIG. 22

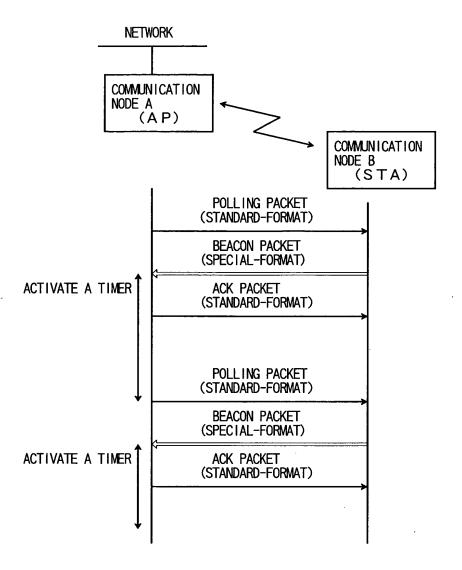


FIG. 23

# DATA PACKET HAVING CONTROL INFORMATION

HEADER	NEXT TRANSMISSION TIME	DATA	R-FCS

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16/41

FIG. 24

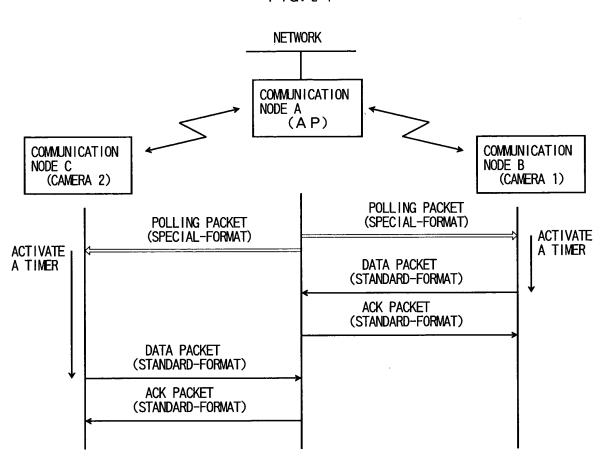


FIG. 25

# POLLING PACKET HAVING CONTROL INFORMATION

(1)	HEADER	TRANSMISSION TIME (B)	TRANSMISSION TIME (C)	•••	R-FCS

#### POLLING PACKET HAVING CONTROL INFORMATION

(2)	HEADER	ADRESS 1	ADRESS 2 (C)	•••	TRANSMISSION TIME (1)	TRANSMISSION TIME (2)	•••	R-FCS
-----	--------	----------	-----------------	-----	--------------------------	--------------------------	-----	-------

Title: PACKET COMMUNICATION METHOD AND PACKET COMMUNICATION APPARATUS

Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

17/41

FIG. 26

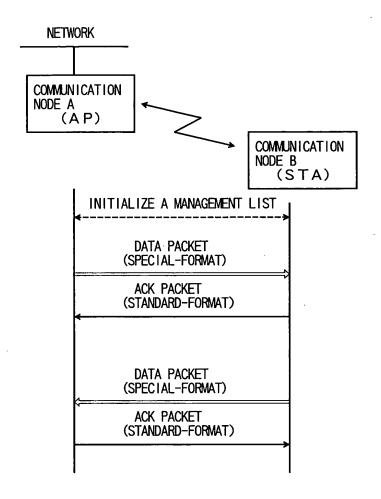


FIG. 27

# DATA PACKET HAVING CONTROL INFORMATION

	Τ	ſ	
HEADER	TRANSMISSION RATE, etc	DATA	R-FCS

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Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

18/41

FIG. 28

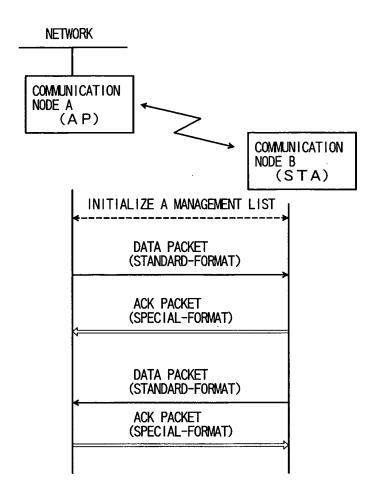
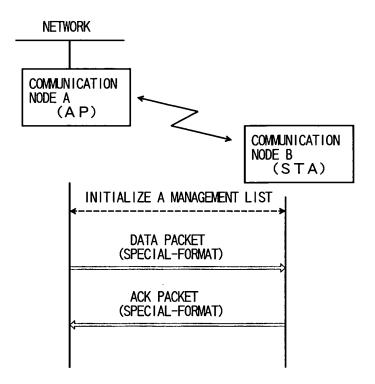


FIG. 29

HEADER   TRANSMISSION RATE, etc   R - F C S	HEADER	TRANSMISSION RATE,	etc	R-FCS
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FIG. 30



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Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

20/41

FIG. 31

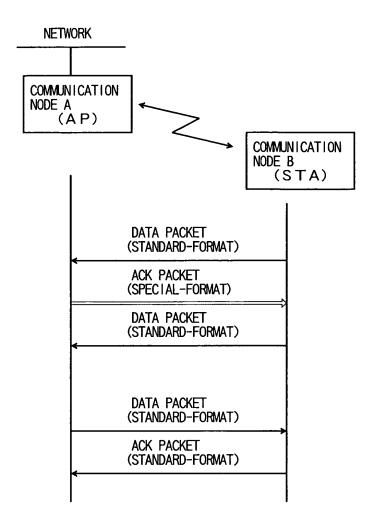


FIG. 32

# ACK PACKET HAVING DATA

HEADER	DATA	R-FCS

Atty. Ref.: 6268-001/NP

21/41

FIG. 33

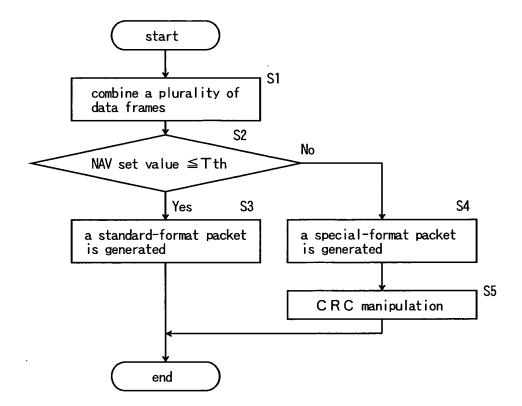


FIG. 34

# SPECIAL-FORMAT PACKET

SPECIAL HEADER DATA R
-----------------------

Atty. Ref.: 6268-001/NP

FIG. 35

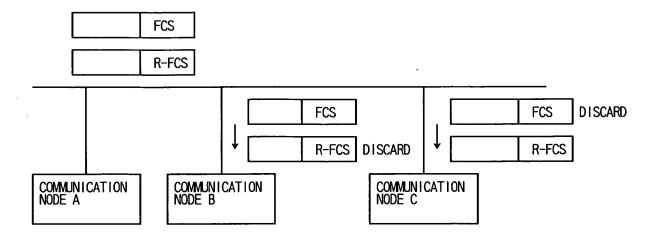
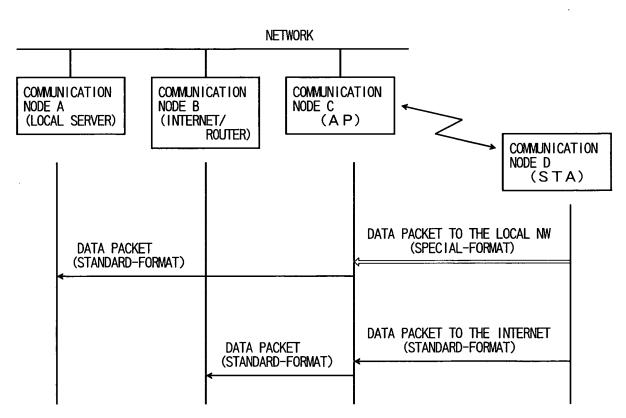


FIG. 36



Atty. Ref.: 6268-001/NP

2 3 / 4 1

FIG. 37

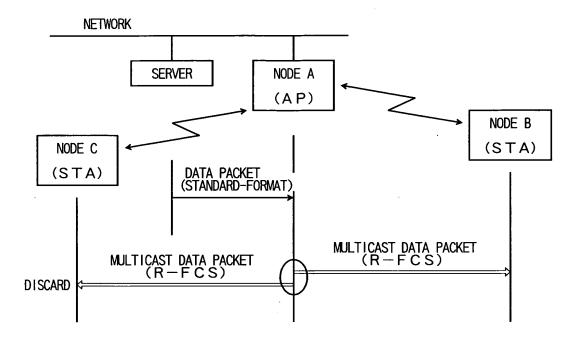
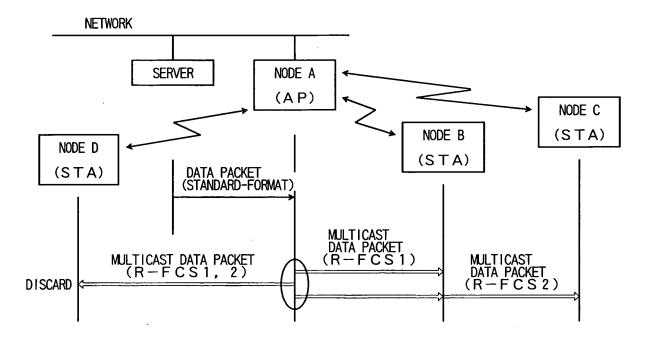
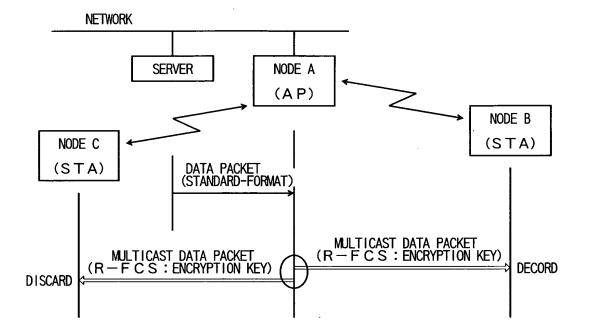


FIG. 38



Atty. Ref.: 6268-001/NP

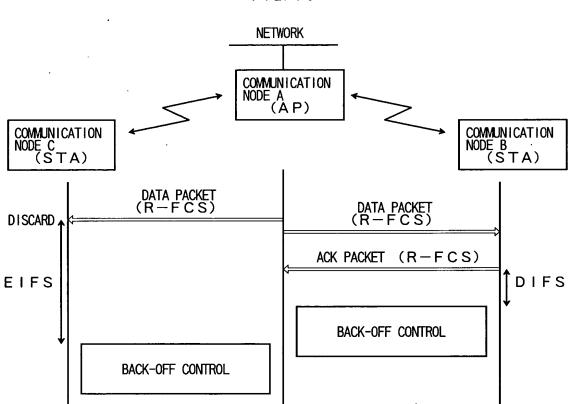
FIG. 39



Atty. Ref.: 6268-001/NP

25/41

FIG. 40

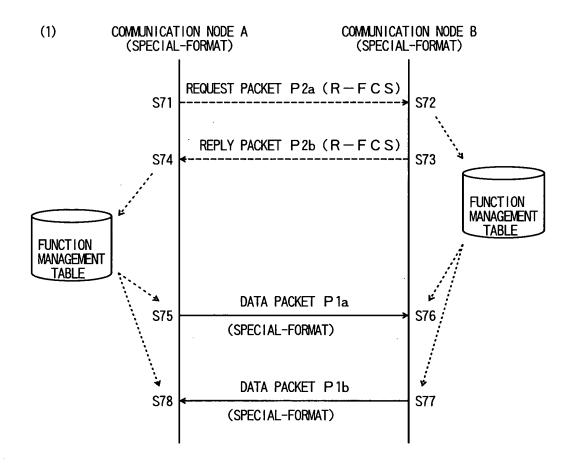


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Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

26/41

FIG. 41



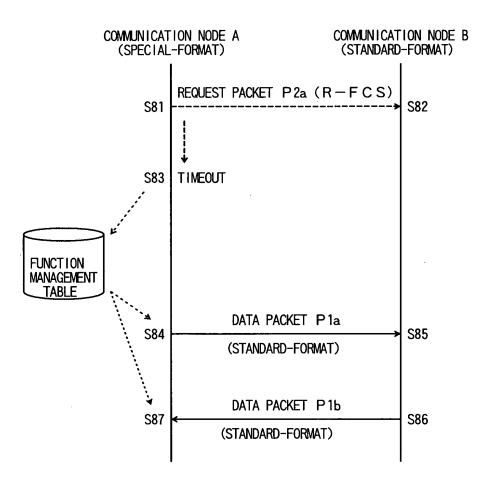
(2)

# FUNCTION MANAGEMENT TABLE

STA ID	COMMUNICATION FUNCTION
12345678	SPECIAL-FORMAT
23456789	STANDARD-FORMAT
34567890	STANDARD-FORMAT
45678901	SPECIAL-FORMAT
•	:

Title: PACKET COMMUNICATION METHOD AND PACKET COMMUNICATION APPARATUS Inventor(s): Kengo NAGATA et al
Atty. Ref.: 6268-001/NP

FIG. 42



Atty. Ref.: 6268-001/NP

FIG. 43

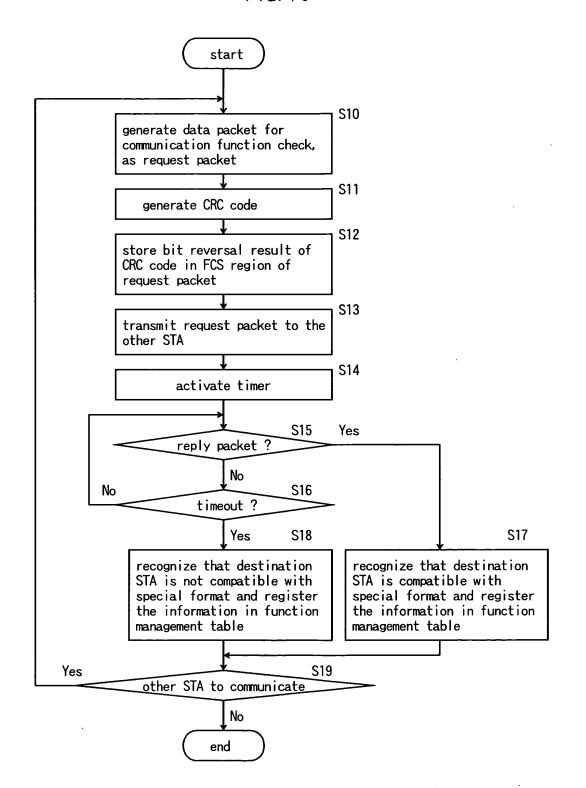


FIG. 44

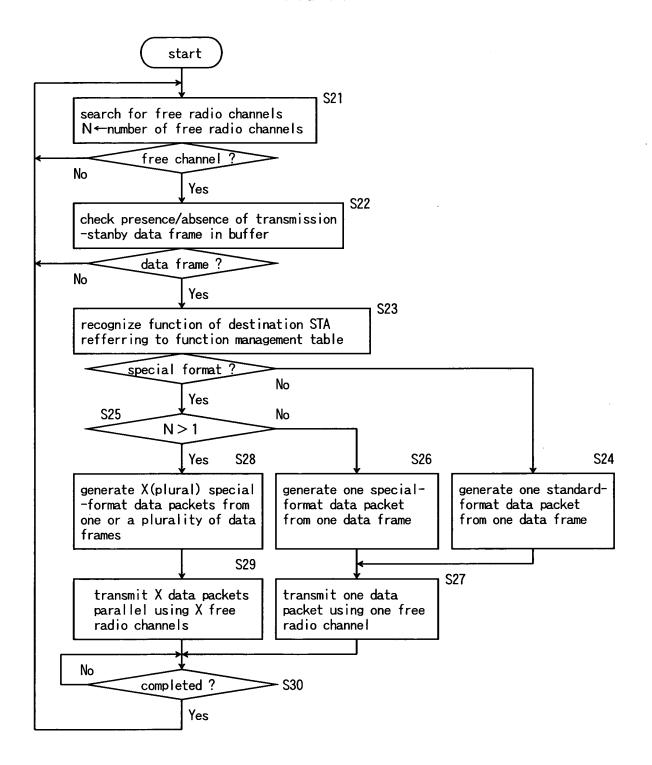
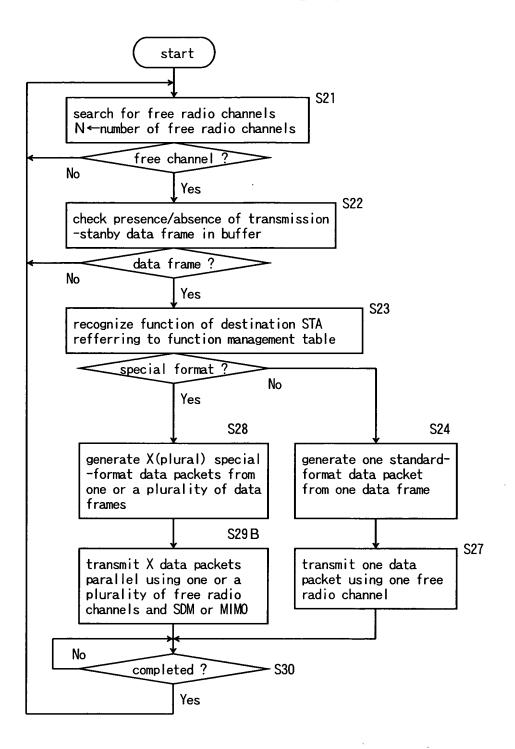
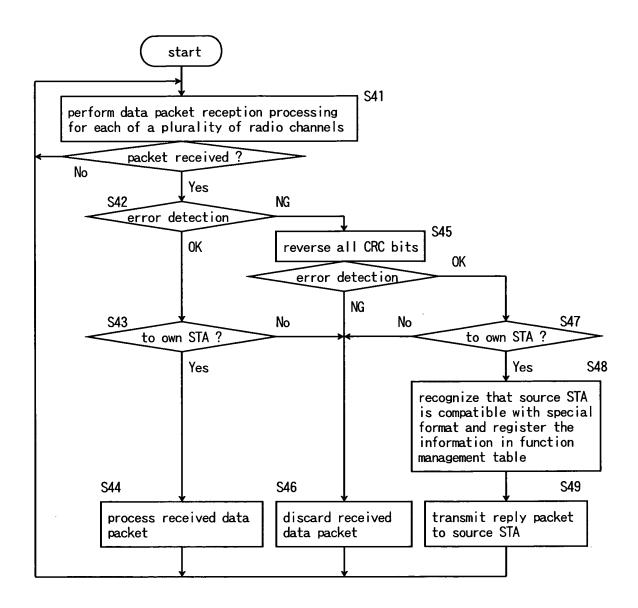


FIG. 45



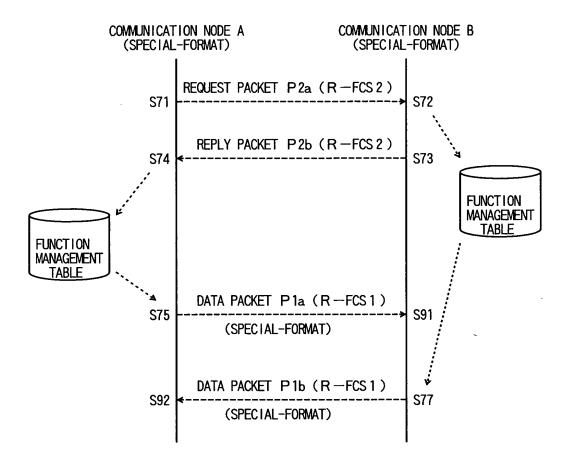
Atty. Ref.: 6268-001/NP

FIG. 46



Atty. Ref.: 6268-001/NP

FIG. 47



Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

3 3 / 4 1

FIG. 48

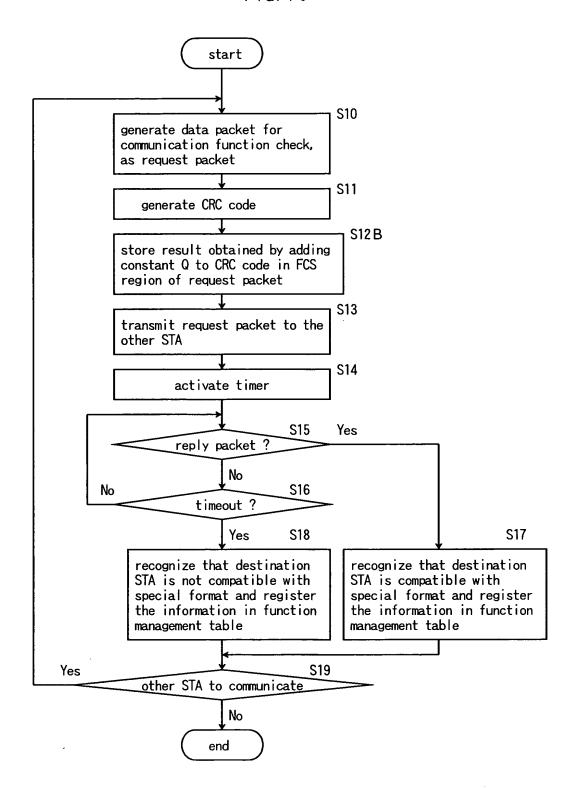


FIG. 49

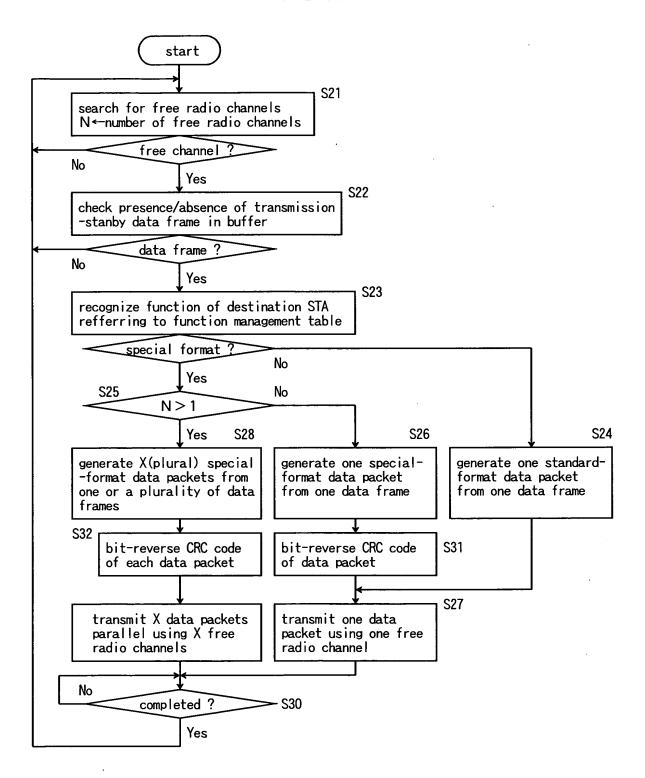


FIG. 50

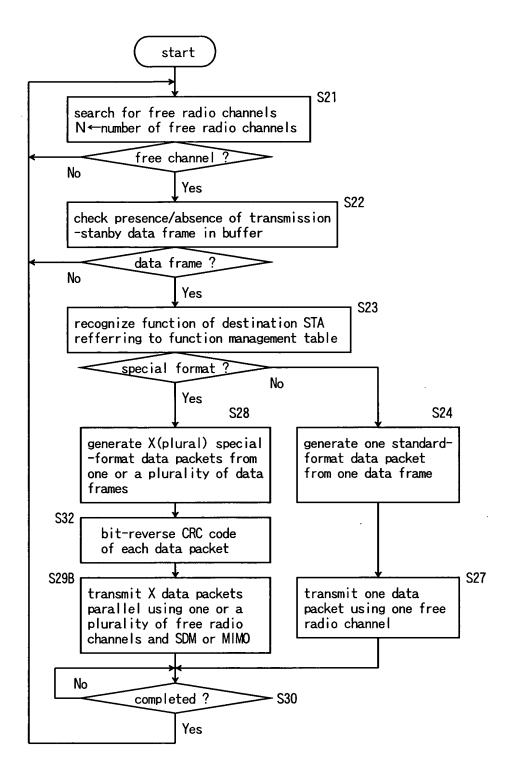


FIG. 51

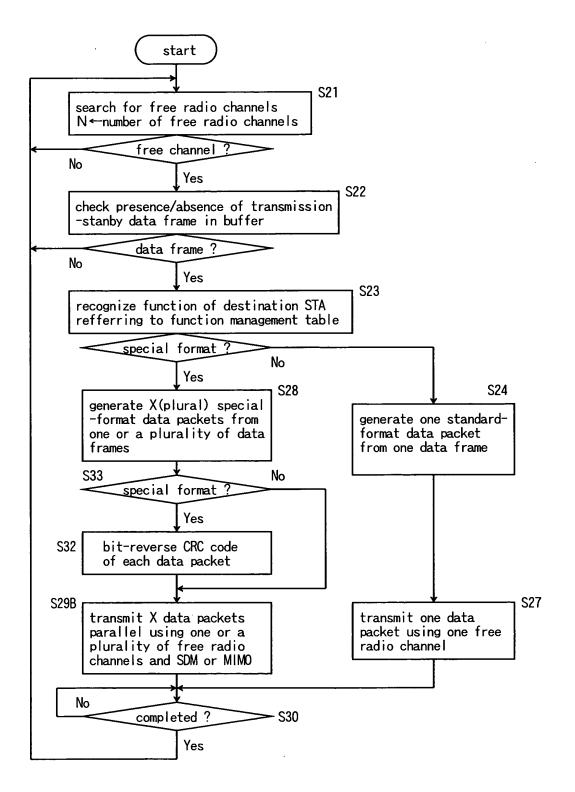
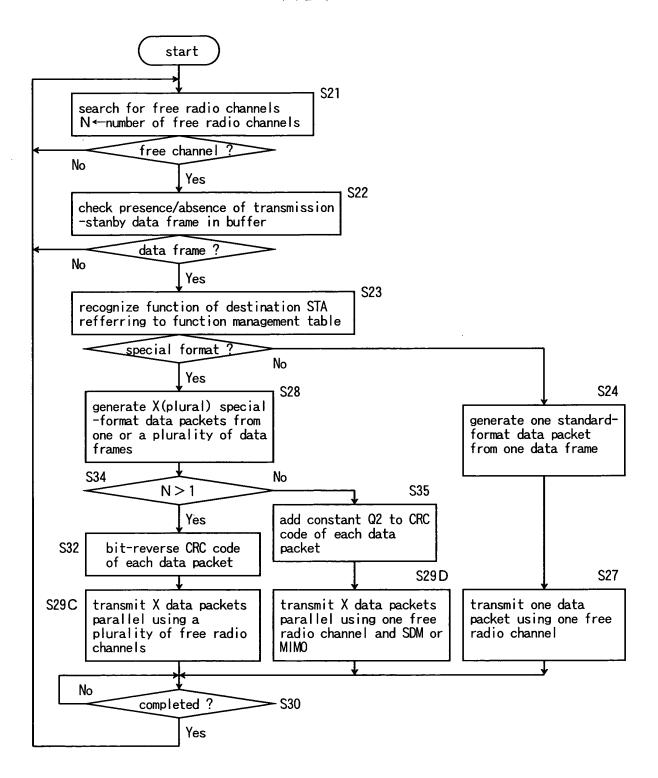
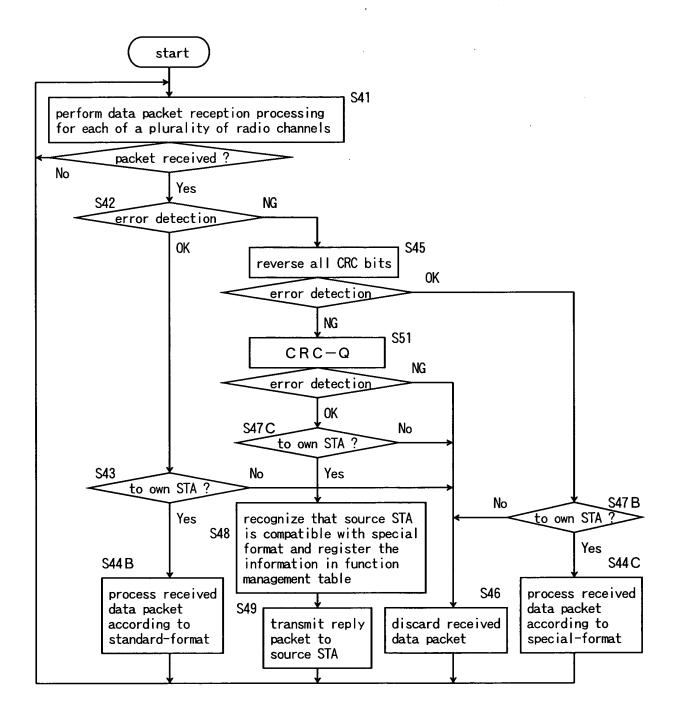


FIG. 52



Atty. Ref.: 6268-001/NP

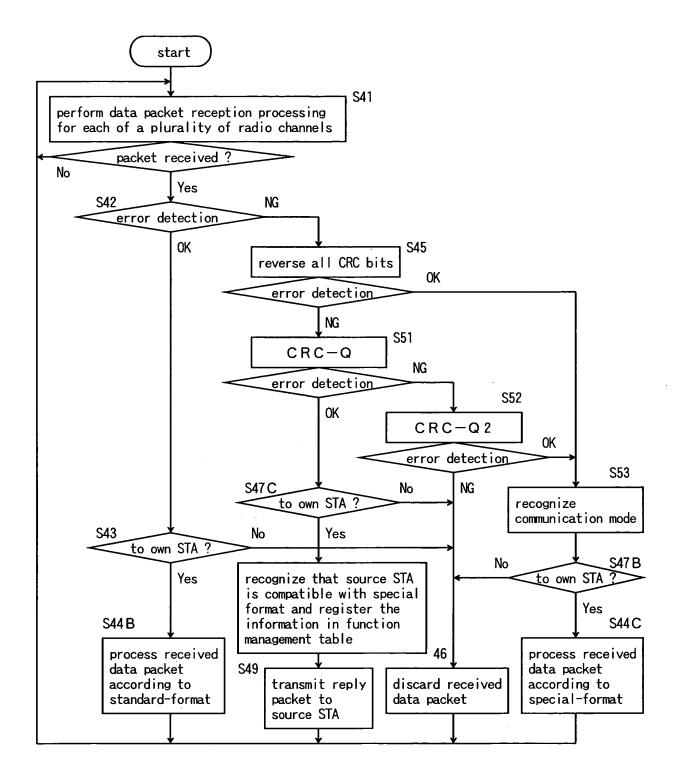
FIG. 53

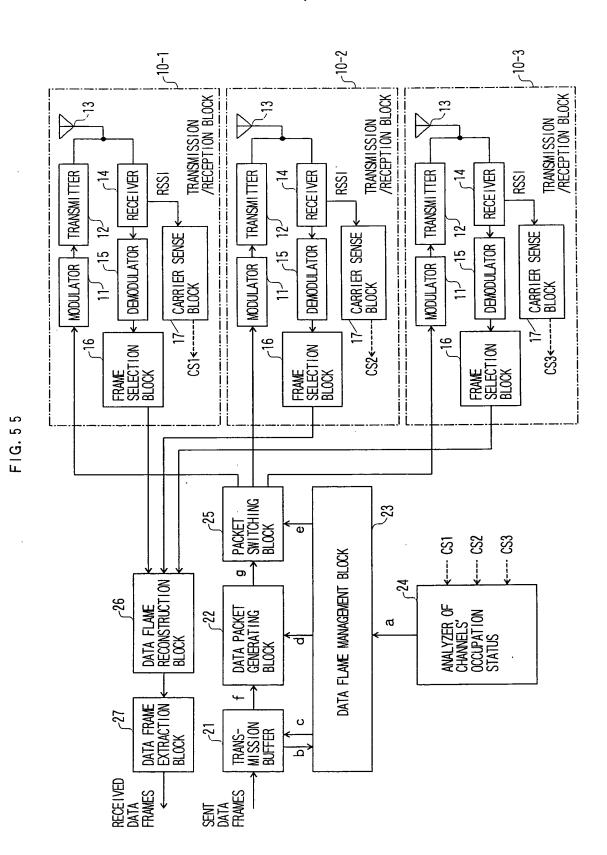


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Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP

FIG. 54





Title: PACKET COMMUNICATION METHOD AND PACKET COMMUNICATION APPARATUS Inventor(s): Kengo NAGATA et al Atty. Ref.: 6268-001/NP 41/41 FIG. 56 (1) DATA PACKET #1 MAC HEADER <1a> DATA FRAME <1> DATA #2 <1b> MAC HEADER (2) DATA FRAME DATA PACKET DATA <1> #1 <2a> MAC HEADER <1> <2>  $\Rightarrow$ DATA MAC HEADER <3> #2 <2b> <3> DATA (3) DATA FRAME DATA PACKET <1> DATA #1 <2> MAC HEADER <1> <2>  $\Rightarrow$ DATA # 2 dummy MAC HEADER <3> DATA <3> (4) DATA FRAME DATA PACKET

MAC HEADER

<1>

#1

<2>

DATA <1>

DATA <2>